

Title (en)
IMPLANTABLE MEDICAL LEAD INCLUDING VOIDING EVENT SENSOR

Title (de)
IMPLANTIERBARE MEDIZINISCHE LEITUNG MIT SENSOR ZUM NACHWEIS EINES ENTLEERUNGSEREIGNISSES

Title (fr)
DÉRIVATION MÉDICALE IMPLANTABLE COMPRENANT UN CAPTEUR D'ÉVÉNEMENT DE MICTION/EXCRÉTION

Publication
EP 2162181 A1 20100317 (EN)

Application
EP 08746852 A 20080425

Priority
• US 2008061505 W 20080425
• US 75557807 A 20070530

Abstract (en)
[origin: US2008300650A1] An implantable medical lead includes at least one stimulation electrode and at least one sensor configured to generate an electrical signal that varies as a function of a parameter associated with a voiding event of a patient. In some embodiments, the sensor may be at least one of a microphone that captures sounds associated with voiding events, a pressure sensor, a flow sensor, a strain gauge, a physiological parameter sensing electrode or a temperature sensor. The electrical signal generated by the sensor may be used to detect an occurrence of a voiding event. Thus, the lead may be coupled wirelessly or via a wired connection to a device that processes the electrical signal from the sensor, generates voiding information based on the electrical signal, and in some cases, records the voiding information for later retrieval and analysis.

IPC 8 full level
A61B 5/20 (2006.01); **A61N 1/05** (2006.01); **A61N 1/36** (2006.01); **A61B 5/0488** (2006.01)

CPC (source: EP US)
A61B 5/202 (2013.01 - EP US); **A61B 5/204** (2013.01 - EP US); **A61B 5/205** (2013.01 - EP US); **A61B 5/42** (2013.01 - EP US); **A61N 1/05** (2013.01 - EP US); **A61N 1/36007** (2013.01 - EP US); **A61B 5/391** (2021.01 - EP US)

Citation (search report)
See references of WO 2008150590A1

Cited by
US11565109B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
US 2008300650 A1 20081204; US 8295933 B2 20121023; EP 2162181 A1 20100317; EP 2162181 B1 20150225; WO 2008150590 A1 20081211

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US 75557807 A 20070530; EP 08746852 A 20080425; US 2008061505 W 20080425